

**First year of Five Years integrated M. Sc. (Physics / Chemistry / Mathematics)
M.Sc. - I, Semester – I**

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MN 101 : Environmental Science	2	1	0	3

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- **FUNDAMENTAL OF ENVIRONMENTAL SCIENCE** (05 Hours)
Definition
Principle and scope of environmental science
Composition and structure of atmosphere
 - **NATURAL RESOURCES** (05 Hours)
Water
Land
Minerals
Forests
 - **ENVIRONMENTAL POLLUTION** (05 Hours)
Water pollution
Air pollution
Land pollution
Sources, effects & control of pollution.
 - **ENERGY RESOURCES** (05 Hours)
Solar energy
Nuclear energy
Wind energy
Hydro energy
Wave energy
 - **RADIATION POLLUTION** (05 Hours)
Sources
Effects
Control
 - **THERMAL AND NOISE POLLUTION** (05 Hours)
Sources
Effects
Control of thermal and noise pollution

(Total Contact Time (Theory) : 30 Hours)

BOOKS RECOMMENDED:

1. **Wright R.T.**, *Environment Science, 9th edition*, Prentree – Hall of India Private Limited, New Delhi 2007.
2. **Cunningham W. P. & Cunningham M. A.**, *Principles of Environment Science, Inquiry and Application*, Tata McGraw Hill, 1999.
3. **Bharucha E.**, *Textbook of Environmental Studies for Undergraduate Course*, University Grant Commission, University Press, 2001.
4. **Anandan P., Kumararelan R.**, *Environment Science & Engineering*, Scitech Publications (India) Pvt. Ltd. Fourth Reprint – July 2007.
5. **Dhaueja S. K.**, *Environmental Engineering and Management*, S. K. Kataria & Sons Publishers & Distributors, 2004 .